

APPENDIX REPORT

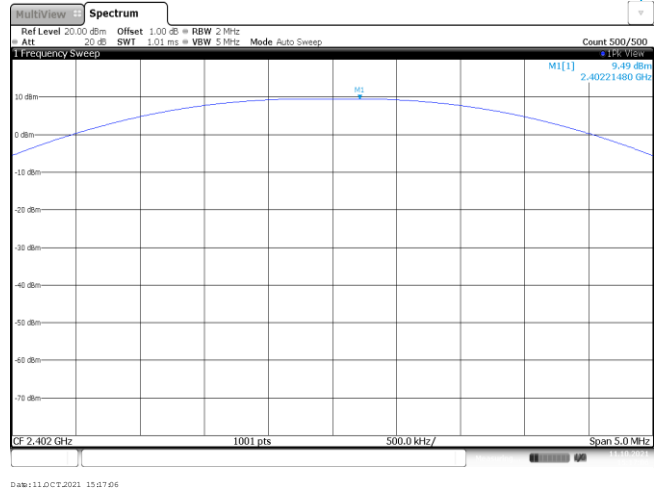
Project No.	SHT2109065202EW	Radio Specification	Bluetooth BLE
Test sample No.	YPHT21090652002	Model No.	AS8W
Start test date	2021-10-11	Finish date	2121-10-12
Temperature	25.5°C	Humidity	42%
Test Engineer	Xiaoqin Li	Auditor	Xiaodong Zheo

Appendix clause	Test item	Result
A	Peak Output Power	PASS
B	Power Spectral Density	PASS
C	6 dB Bandwidth	PASS
D	99% Occupied Bandwidth	PASS
E	Duty cycle	PASS
F	Band edge and Spurious Emissions (conducted)	PASS

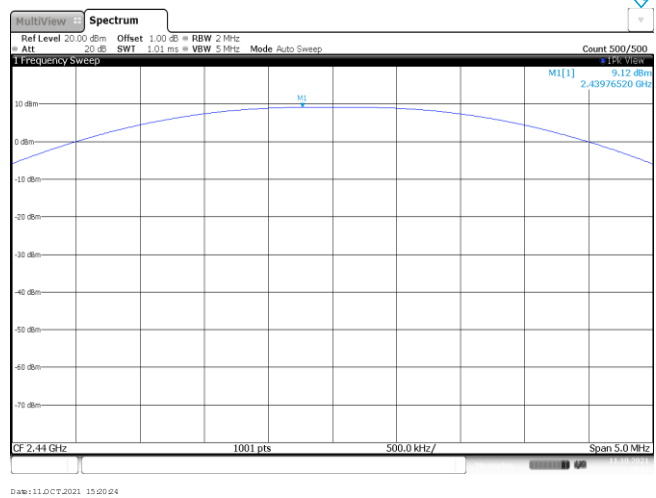
Appendix A: Peak Output Power

Type	Channel	Peak Output power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
BT-BLE	00	9.49	7.70	≤ 30.00	Pass
	19	9.12	7.28		
	39	8.75	6.90		

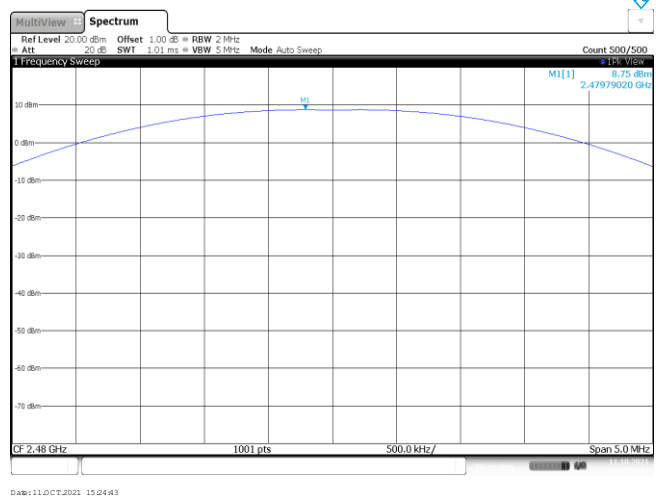
CH00



CH19



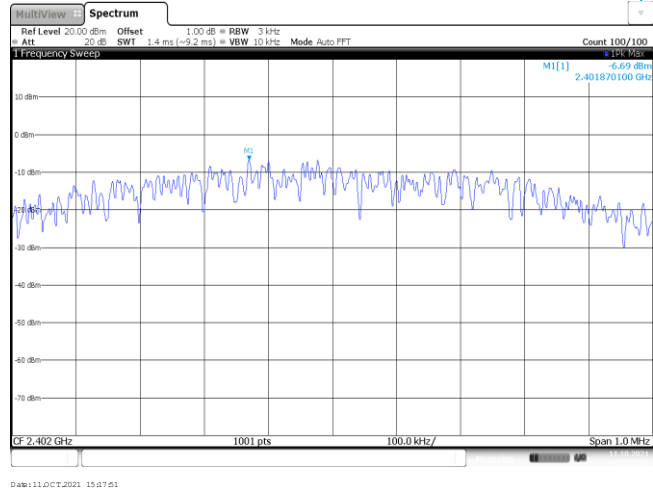
CH39



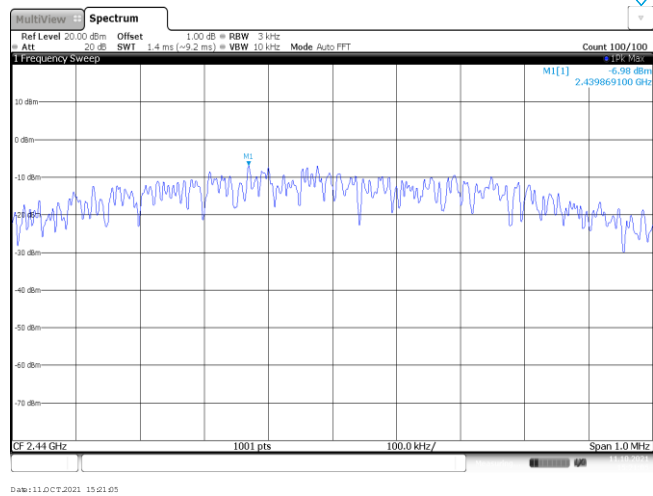
Appendix B: Power Spectral Density

Type	Channel	Power Spectral Density(dBm/3KHz)	Limit (dBm/3KHz)	Result
BT-BLE	00	-6.69	≤8.00	Pass
	19	-6.98		
	39	-7.43		

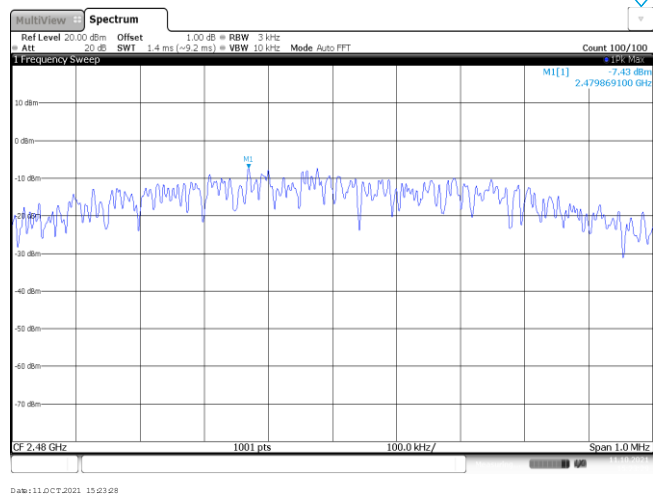
CH00



CH19



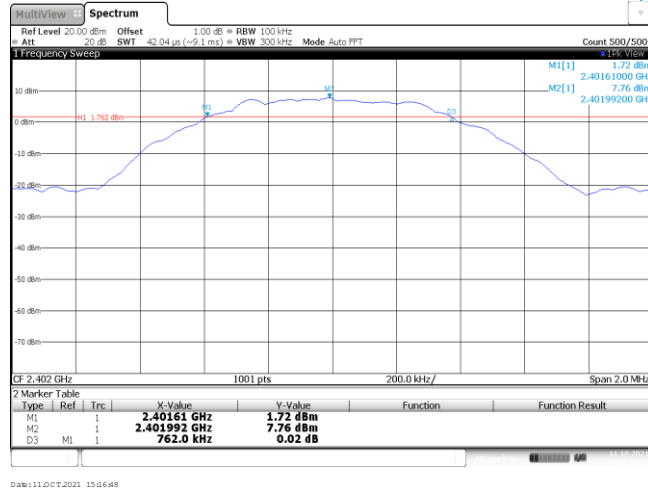
CH39



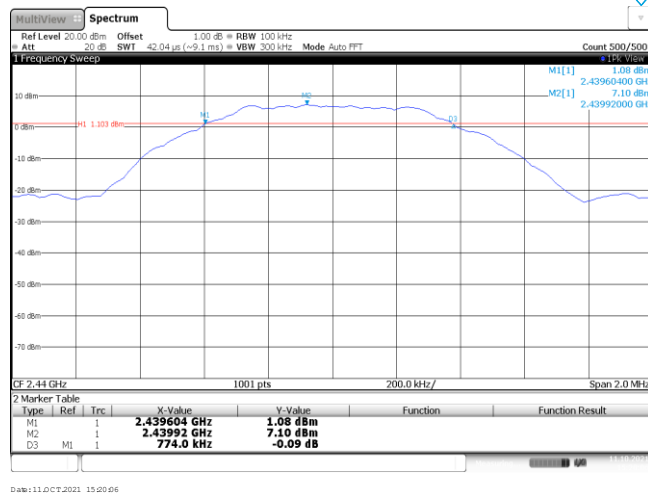
Appendix C: 6dB bandwidth

Type	Channel	6dB Bandwidth(kHz)	Limit (kHz)	Result
BT-BLE	00	762.00	≥500	Pass
	19	774.00		
	39	778.00		

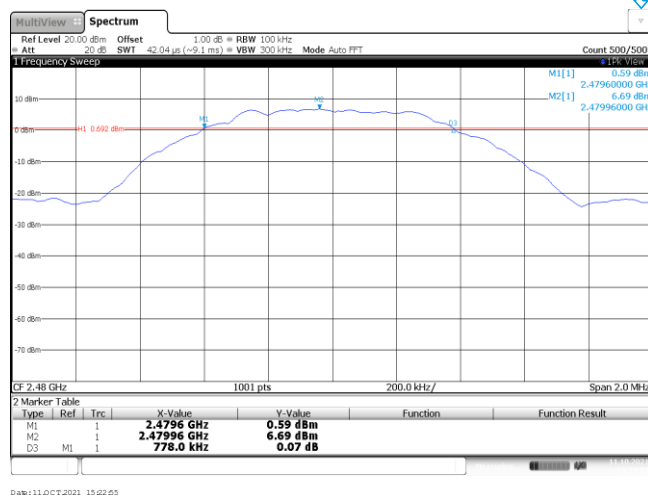
CH00



CH19



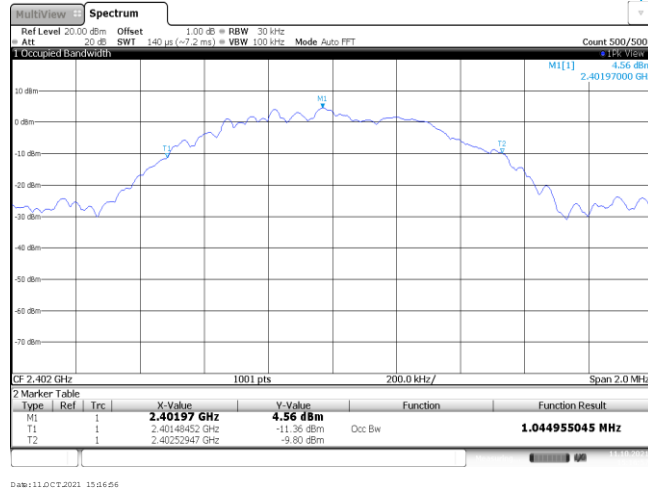
CH39



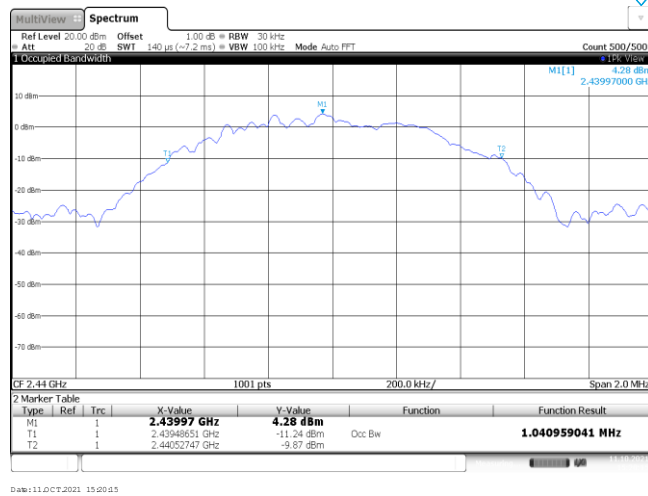
Appendix D: 99% Occupied Bandwidth

Type	Channel	99% Occupied Bandwidth(MHz)	Limit (kHz)	Result
BT-BLE	00	1.05	-	Pass
	19	1.04		
	39	1.04		

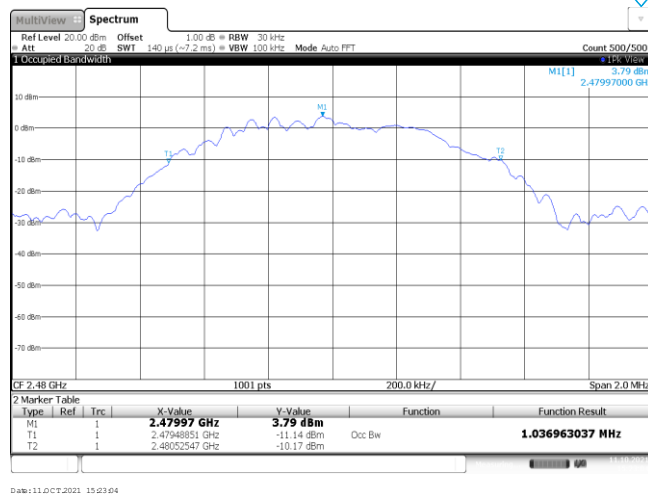
CH00



CH19

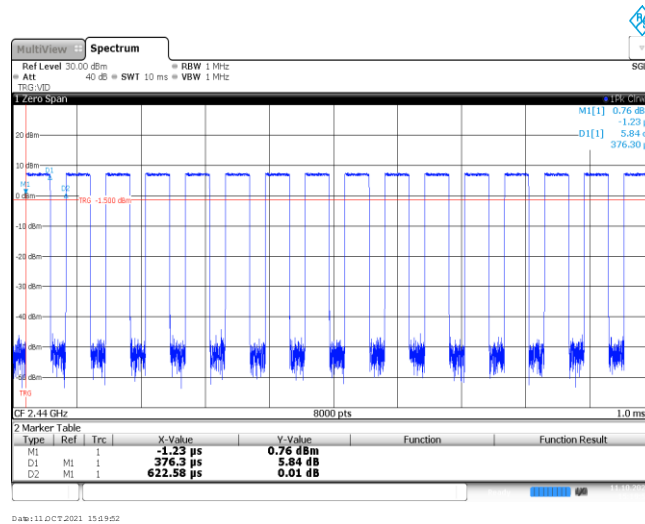


CH39

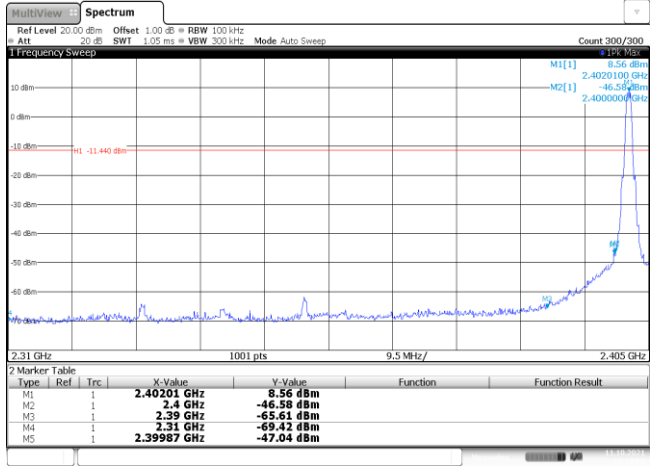
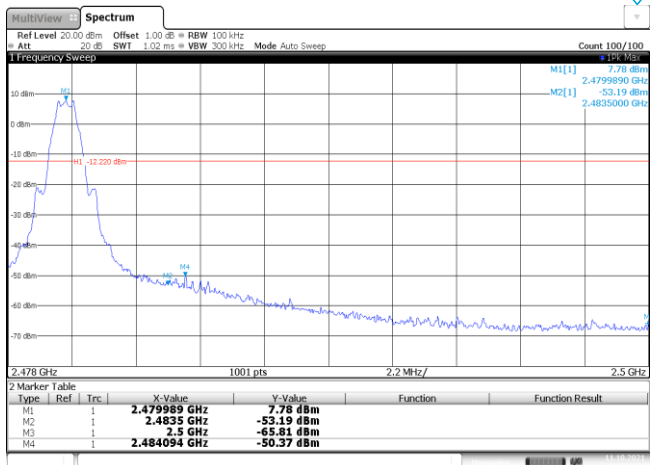


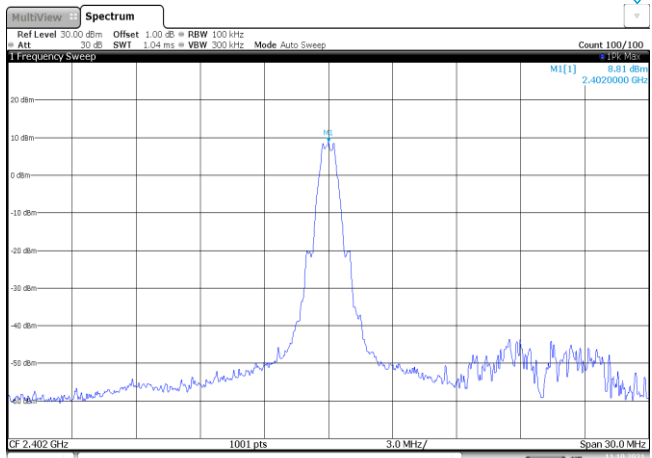
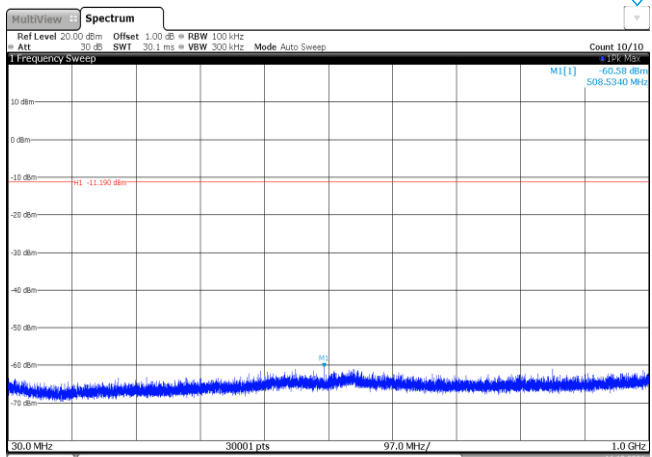
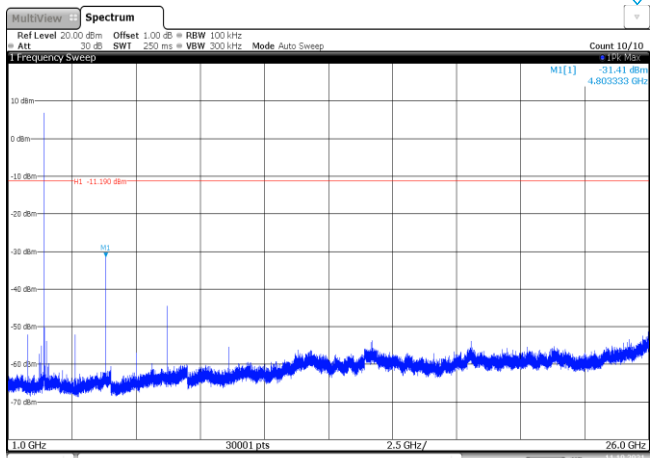
Appendix E: Duty cycle

Test Frequency (MHz)	T _{on} time for single burst (ms)	T _{period} (ms)	Duty cycle	1/T _{on} time (kHz)
2440	0.38	0.62	61.3%	2.6

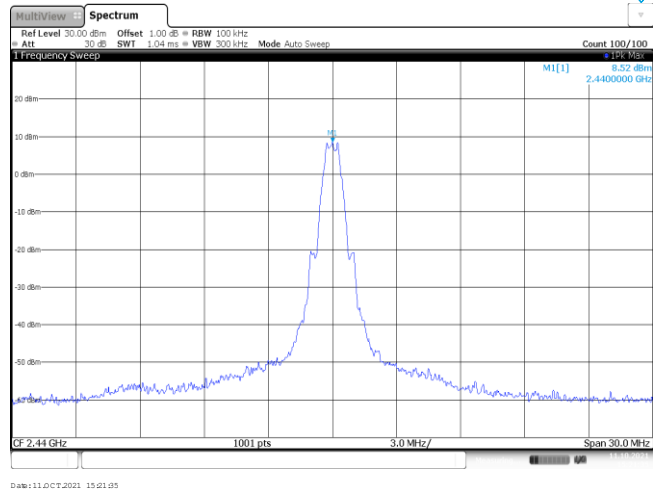


Appendix F: Band edge and Spurious Emissions (conducted)

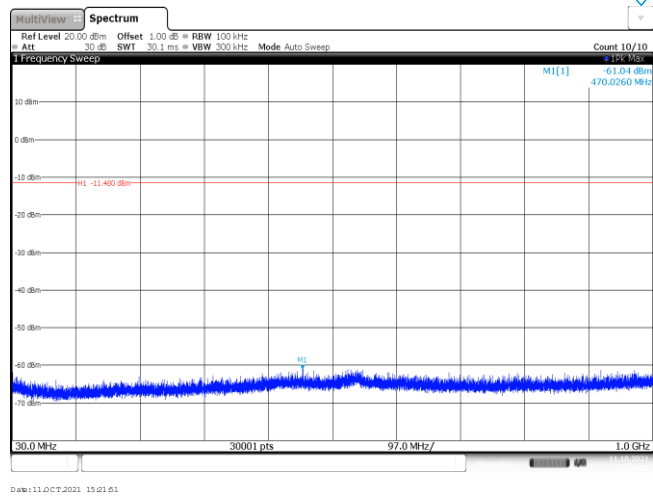
Test Item:	Band edge
<p style="text-align: center;">CH00</p>	 <p style="text-align: right;">Date: 11.OCT.2021 15:58:01</p>
<p style="text-align: center;">CH39</p>	 <p style="text-align: right;">Date: 11.OCT.2021 15:23:38</p>

Test Item:	SE
<p>CH00 Reference level</p>	 <p>MultiView Spectrum Ref Level 30.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 1.04 ms VBW 300 kHz Mode Auto Sweep Count 100/100 Frequency Sweep M1[1] 20.21 dBm 2.402000 GHz CF 2.402 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 11/02/2021 15:08:08</p>
<p>CH00 30MHz~1000MHz</p>	 <p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 30.1 ms VBW 300 kHz Mode Auto Sweep Count 10/10 Frequency Sweep M1[1] -65.53 dBm 508.5340 MHz M1 -11.100 dBm 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 11/02/2021 15:08:23</p>
<p>CH00 1GHz~26GHz</p>	 <p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 Frequency Sweep M1[1] -51.41 dBm 4.803333 GHz M1 -11.100 dBm 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 11/02/2021 15:08:41</p>

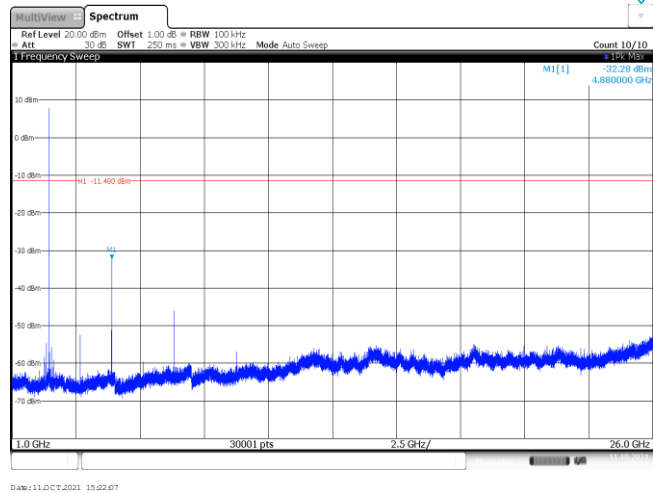
CH19
Reference level

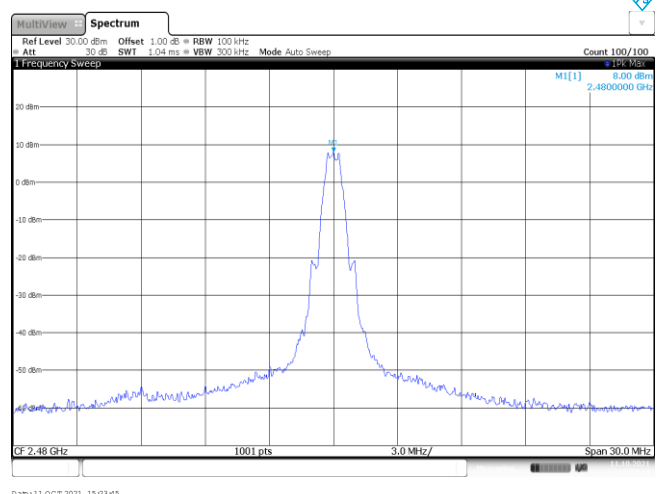
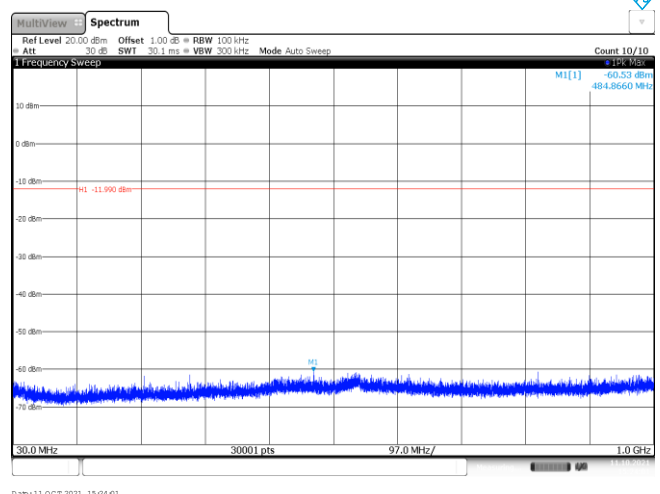
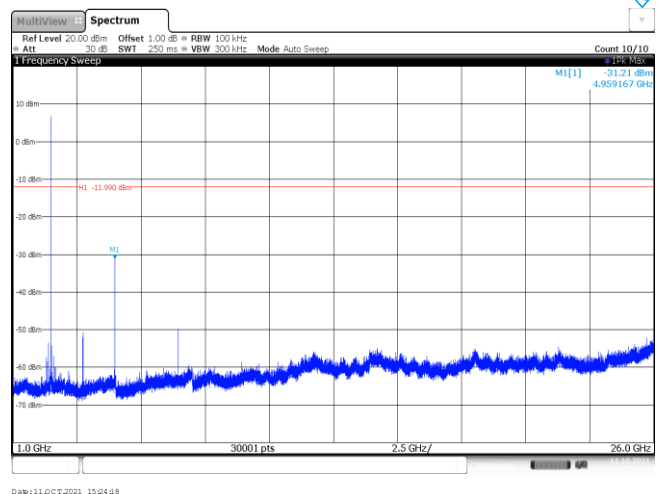


CH19
30MHz~1000MHz



CH19
1GHz~26GHz



<p>CH39 Reference level</p>	 <p>MultiView Spectrum Ref Level 30.00 dBm Offset 1.00 dB BW 100 kHz Att 30 dB SWI 1.04 ms VBW 300 kHz Mode Auto Sweep Count 100/100 1 Frequency Sweep M1[1] 8.00 dBm 2.4800000 GHz CF 2.48 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 11/OCT/2021 15:23:45</p>
<p>CH39 30MHz~1000MHz</p>	 <p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB BW 100 kHz Att 30 dB SWI 30.1 ms VBW 300 kHz Mode Auto Sweep Count 10/10 1 Frequency Sweep M1[1] -63.53 dBm 484.8660 MHz H1 -11.990 dBm 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 11/OCT/2021 15:24:01</p>
<p>CH39 1GHz~26GHz</p>	 <p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB BW 100 kHz Att 30 dB SWI 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 1 Frequency Sweep M1[1] -31.21 dBm 4.959167 GHz H1 -11.990 dBm 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 11/OCT/2021 15:24:18</p>

-----End of Report-----